

**FIG. 1.**

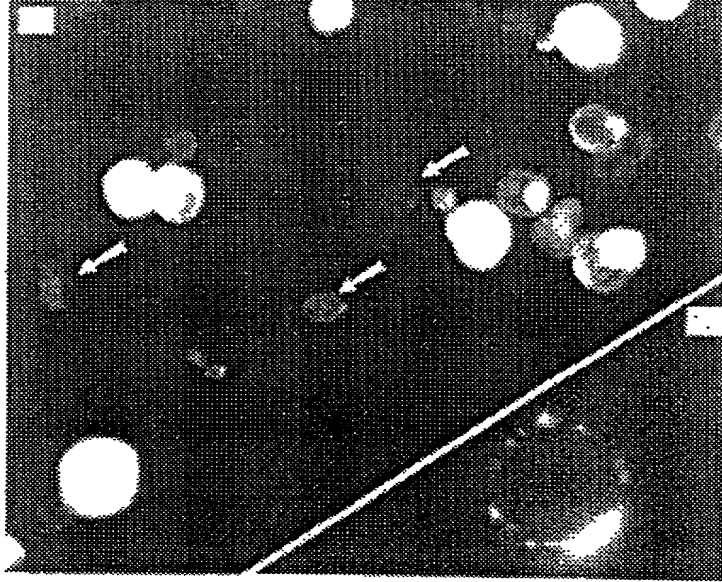


FIG. 2A.

FIG. 2B.

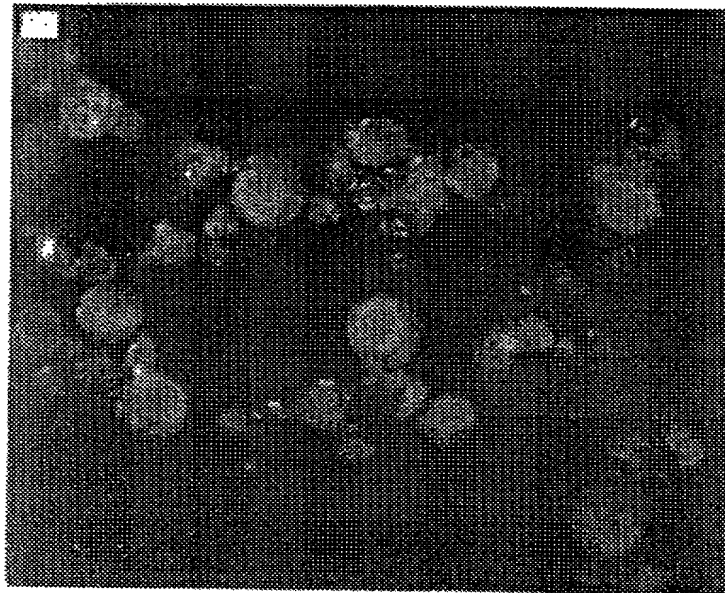
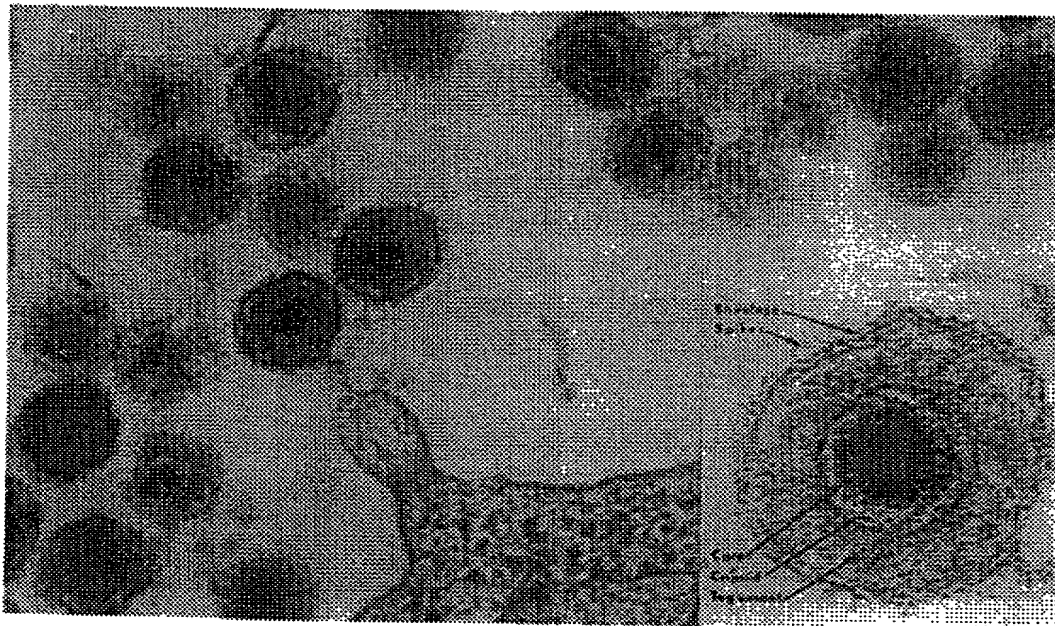


FIG. 2C.



HUMAN B-LYMPHOTROPIC VIRUS (HBLV)

*FIG. 3.*

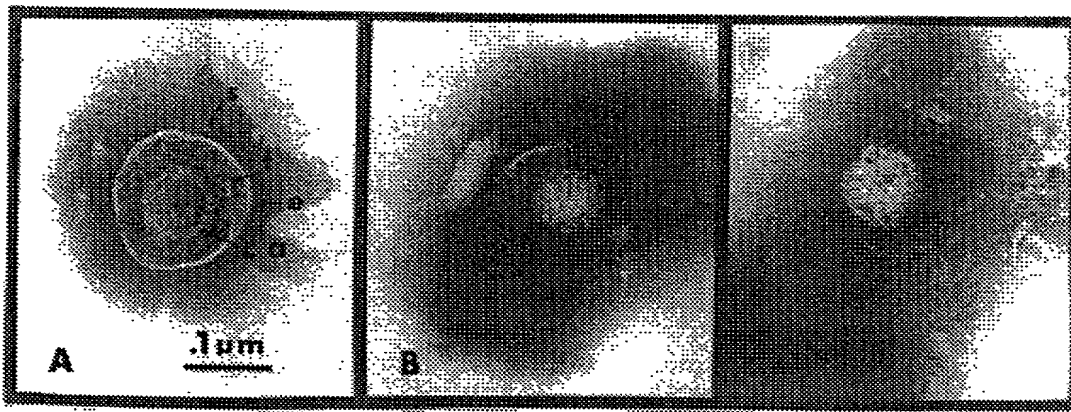
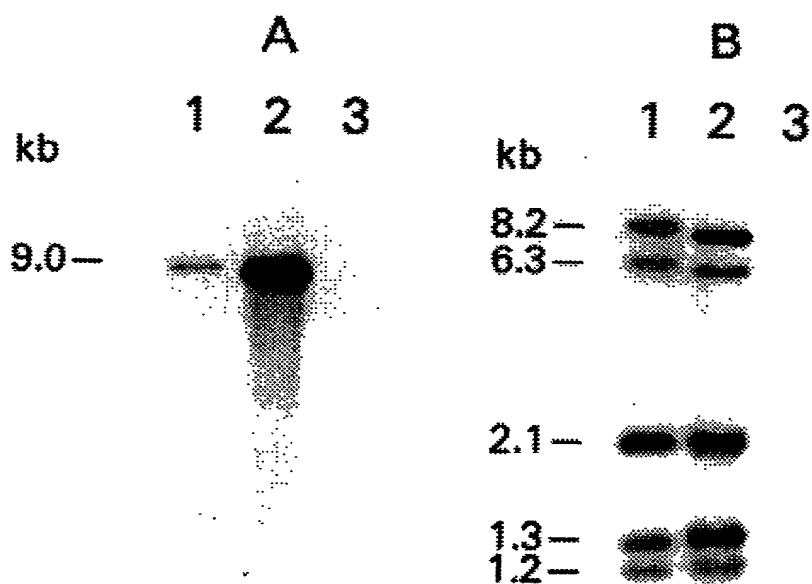


FIG. 4A.

FIG. 4B.

FIG. 4C.

HYBRIDIZATION OF HHV-6 SPECIFIC CLONE.  
ZVH-14 TO DNA FROM HBLV INFECTED  
CORD BLOOD LYMPHOCYTES.



A=Hind-III

B=Eco-R1

**FIG. 5A.**

**FIG. 5B.**

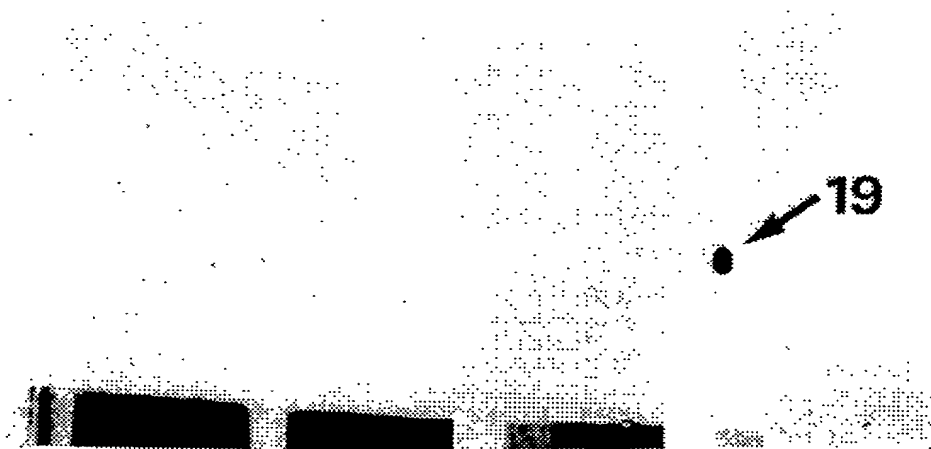
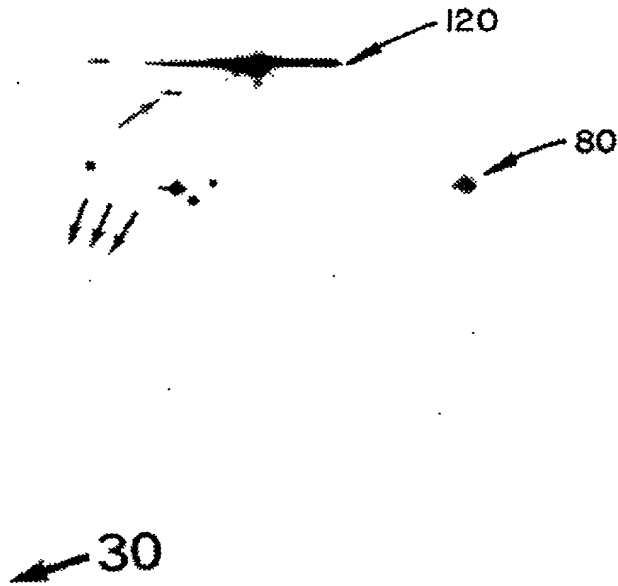
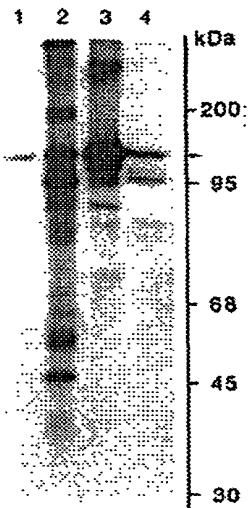
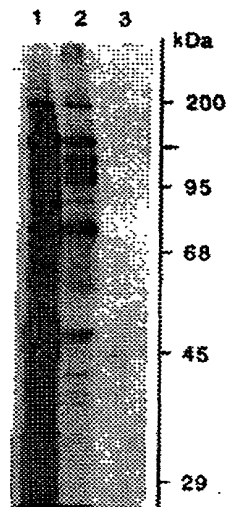


FIG. 6.



3 hrs  $^{35}\text{S}$  Methionine and  $^{35}\text{S}$  cysteine  
labeled HSB-2 infected cells.  
Lane 1. HBLV negative serum by IFA  
Lane 2. Rabbit HBLV hyperimmune serum  
Lane 3. HBLV high positive serum by IFA from  
CFS patient  
Lane 4. HBLV low positive serum by IFA

**FIG. 7A.**



HBLV positive serum by IFA reacted  
with

Lane 1. 15 hrs labeled - HBLV infected HSB-2 cell  
supernatant  
Lane 2. infected cells (HSB-2) lysates.  
Lane 3. Uninfected cells (HSB-2) lysates.

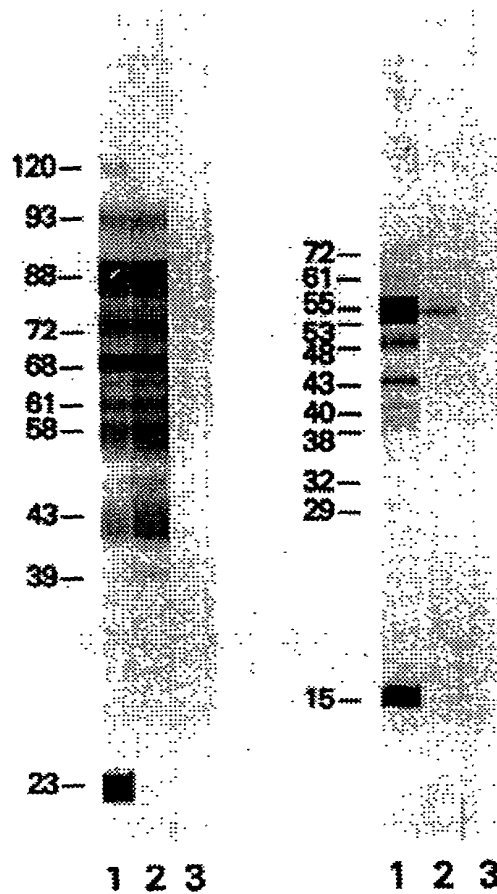
♦ 120 kDa consistently recognized in HBLV positive  
sera

**FIG. 7B.**





WESTERN BLOT ANALYSIS OF HBLV PROTEINS



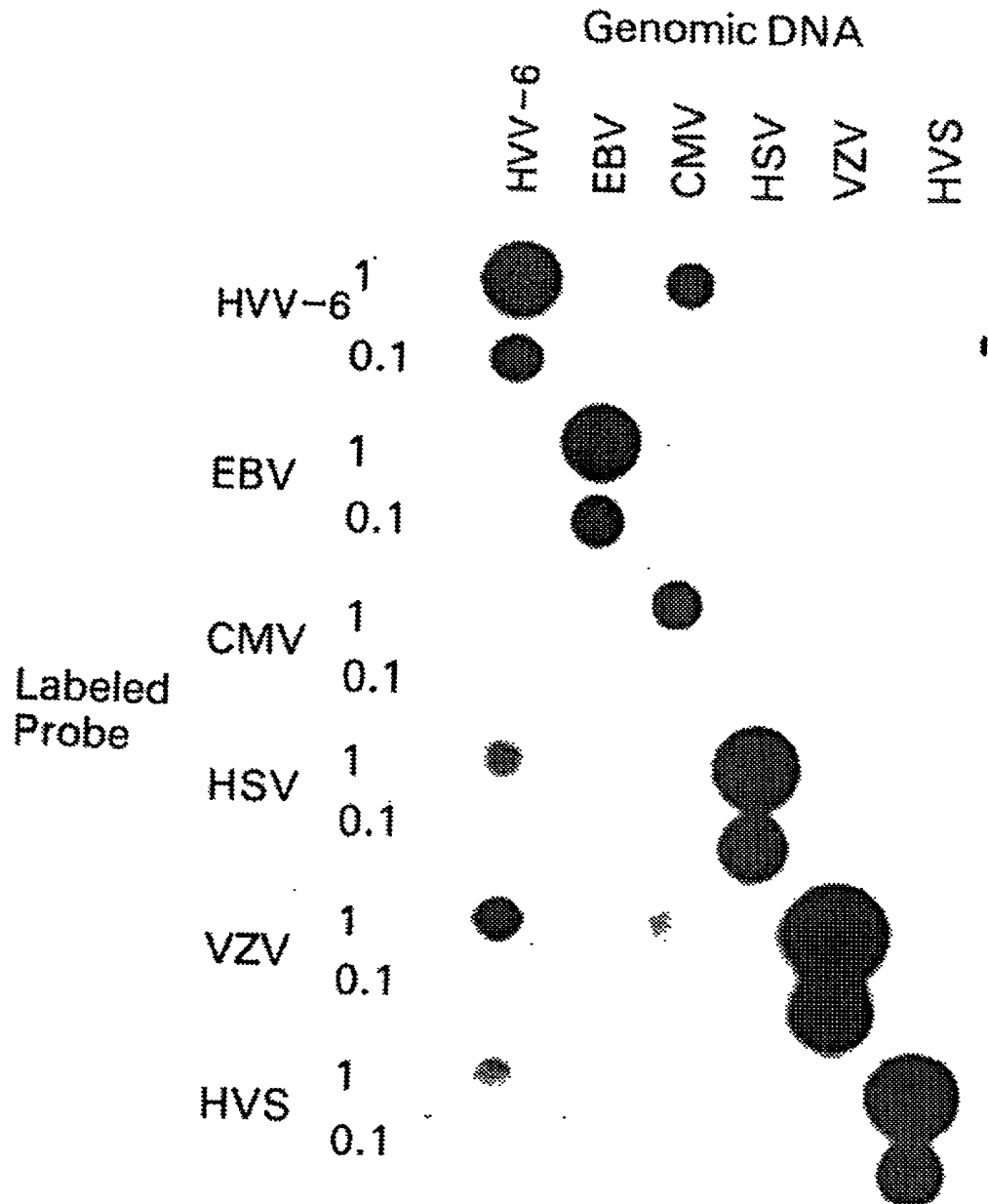
**FIG. 9A. FIG. 9B.**

**A = Concentrated HBLV from HSB-2 Cells**

**B = HSB-2 Cell Lysates**

**Lane 1 and 2: HBLV Antibody Positive Sera**

**Lane 3: HBLV Antibody Negative Serum**

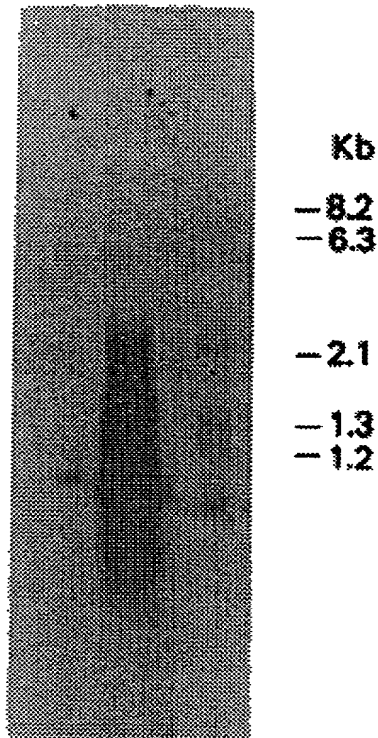


SPECIFIC HYBRIDIZATION OF HUMAN DNA VIRUS PROBES TO  
GENOMIC DNA OF HUMAN HERPES VIRUSES BY DNA DOT  
BLOT ANALYSIS.

1 UNIT = 25  $\mu$ g DNA

FIG. 10.

1 2 3



HBLV Sequences in a follicular  
Large cell Lymphoma.

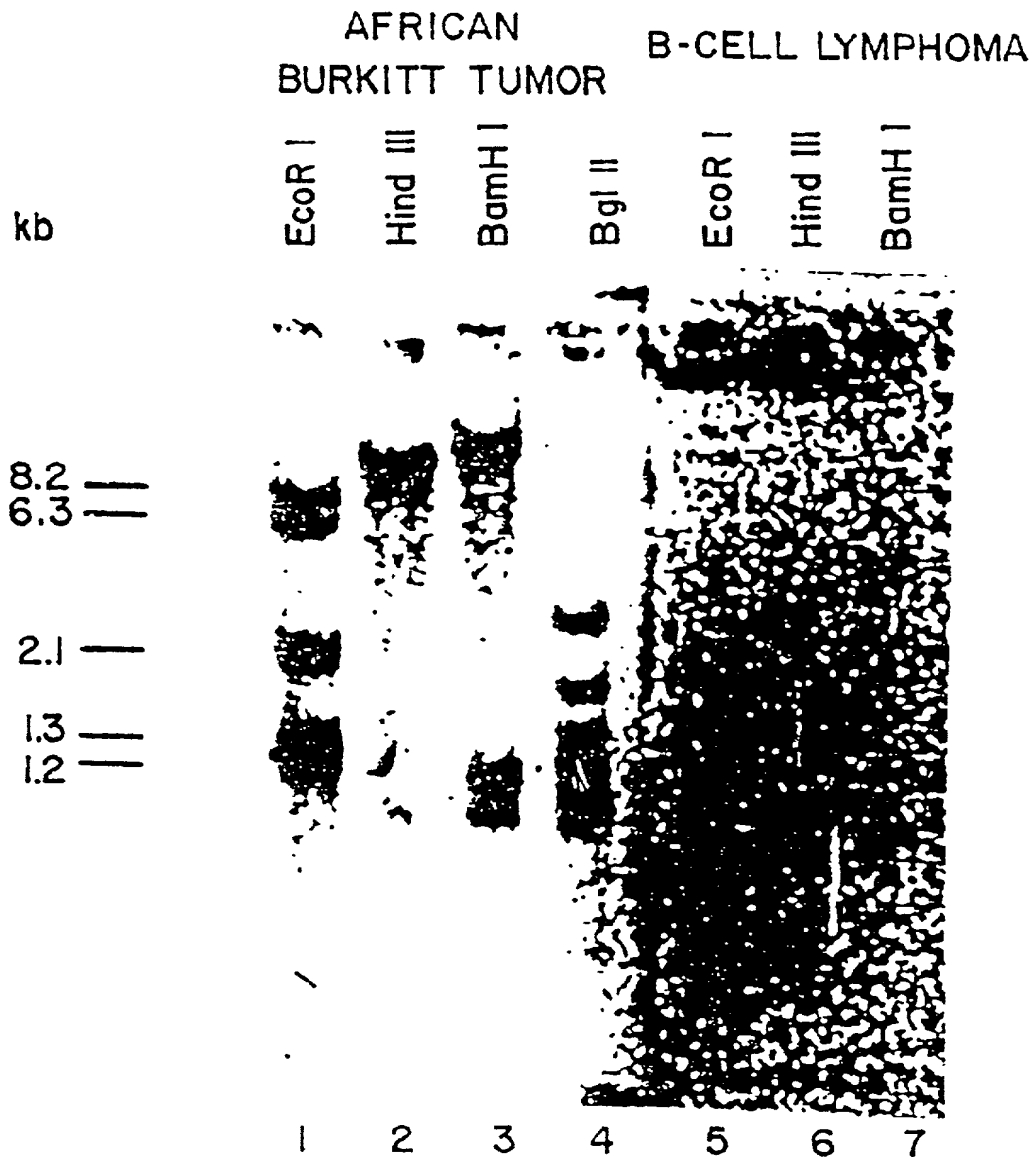
LANE 1 — Negative Control

LANE 2 — Tumor Cell DNA

LANE 3 — DNA from HBLV positive BL

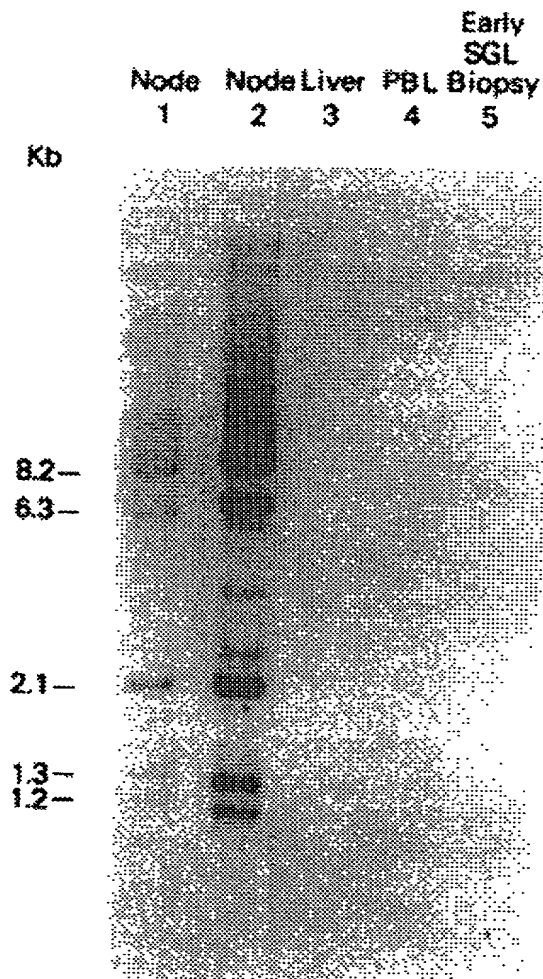
DNA from negative and positive  
controls and Tumor (Lane 2) was  
digested with EcoR-1.

**FIG. IIA.**



*FIG. 11B.*

# **Detection of HBLV Sequences in B-Cell Tumors Arising in a Sjögren's Syndrome Patient**



LANE 1 ABDOMINAL NODE  
LANE 2 THORACIC NODE  
LANE 3 PERIPHERAL BLOOD LYMPHOCYTES  
LANE 4 LIVER  
LANE 5 EARLY SALIVARY GLAND BIOPSY

**FIG. IIC.**

## RESTRICTION ENZYME ANALYSES OF THE HBLV GENOME

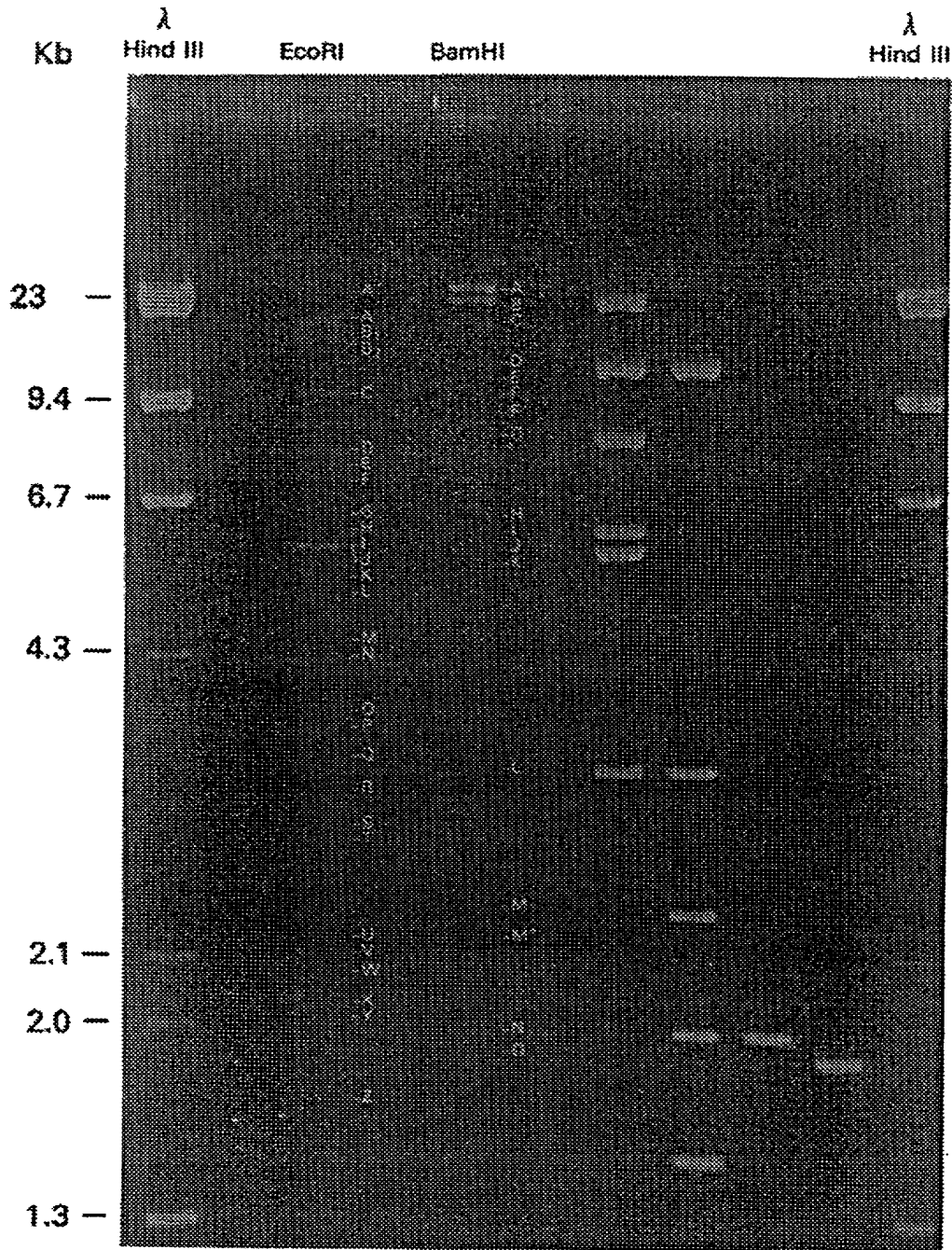
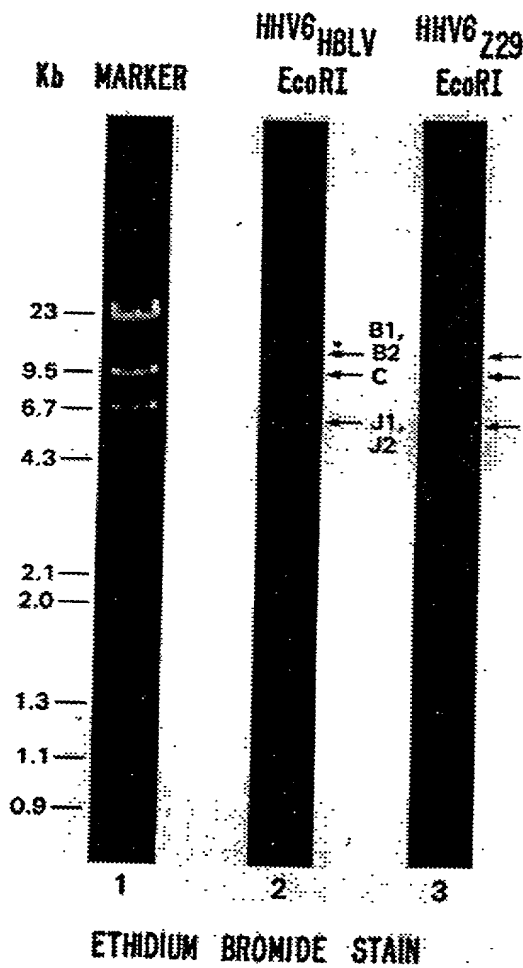
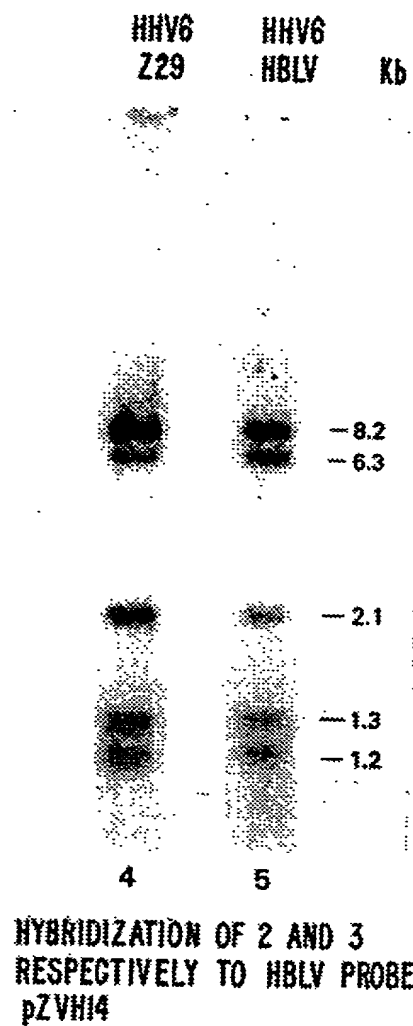


FIG. 12.



**FIG. 13A.**



**FIG. 13B.**

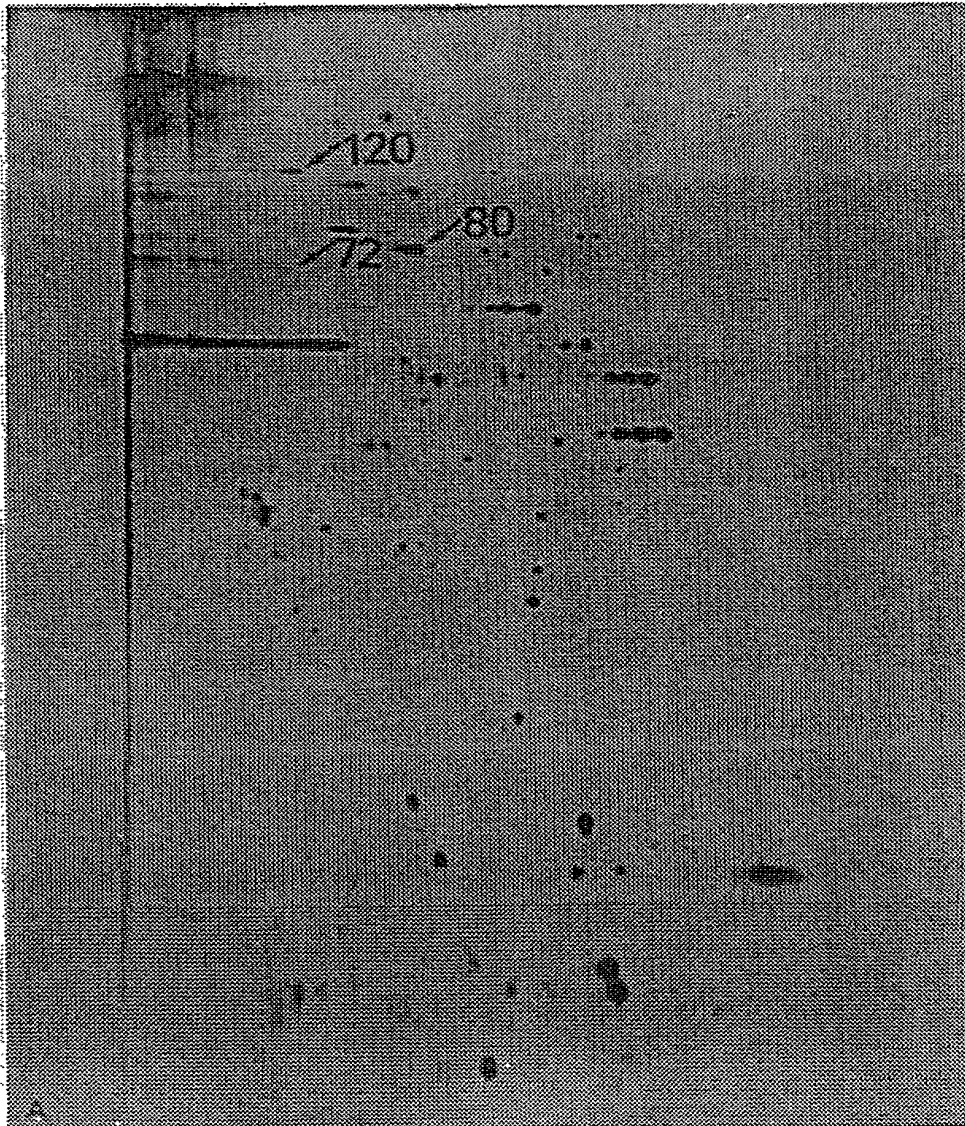
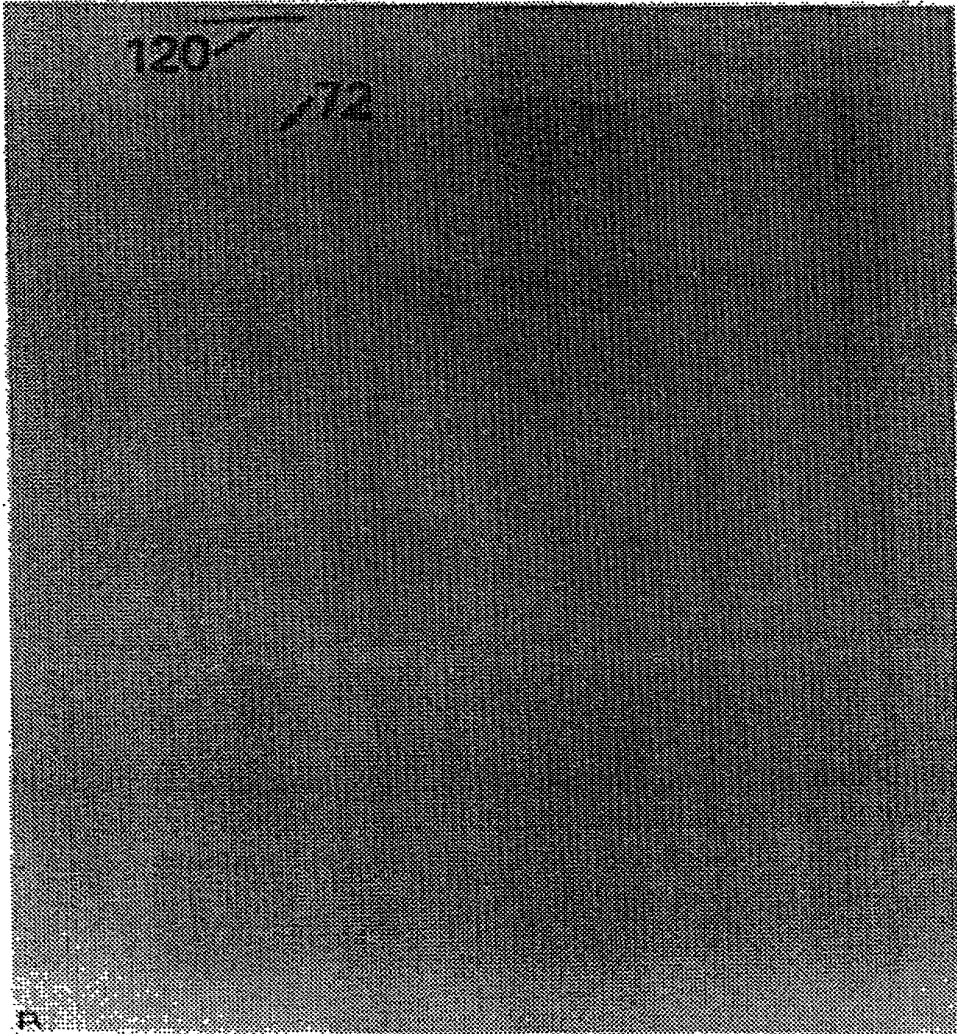
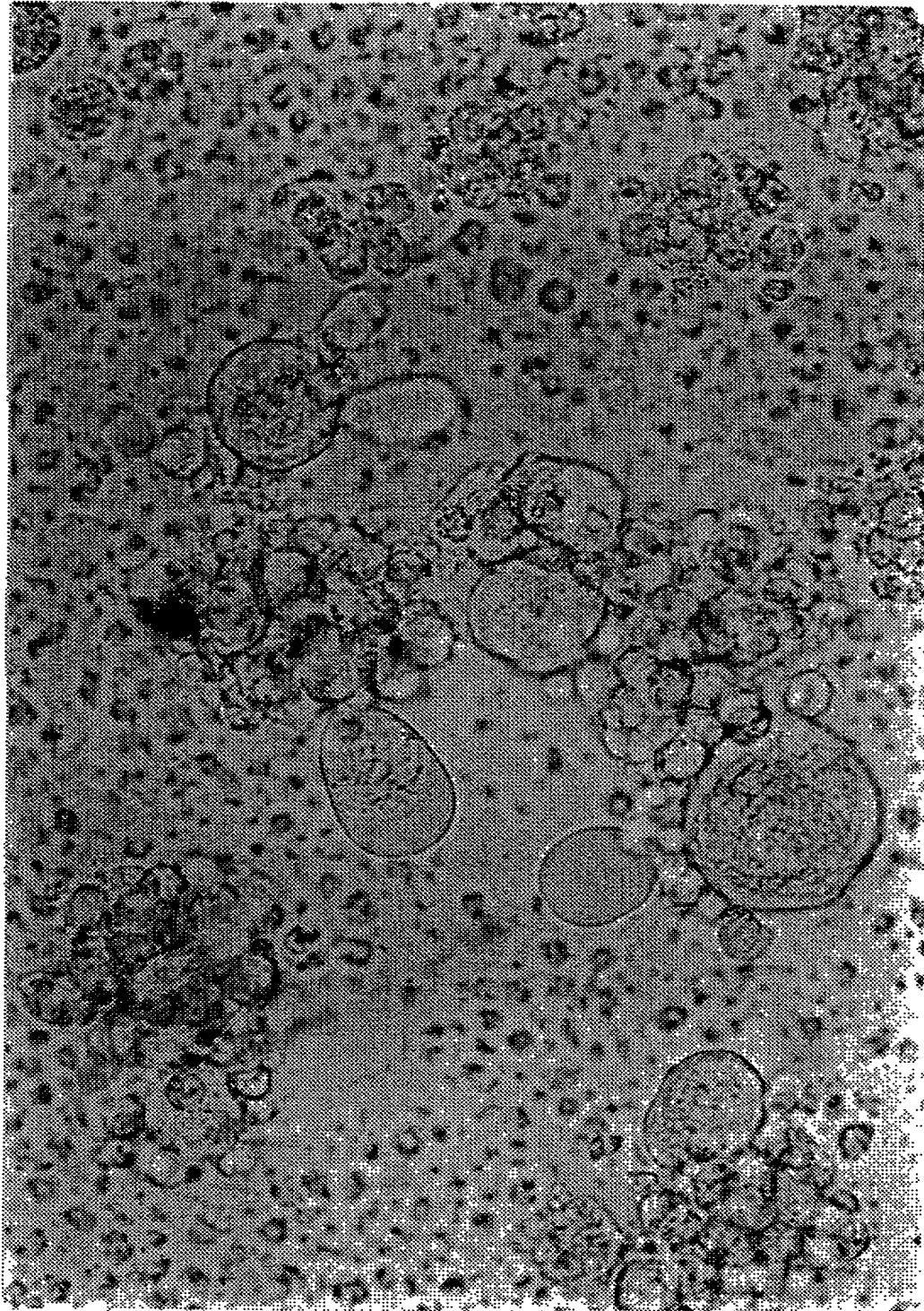


FIG. 14.





**FIG. 15.**



**FIG. 17.**